

**ABSTRACT OF THE INVENTION**

Low voltage electrical power is supplied to a diagnostic control device in a sealed compressor. Electrical power is tapped from a high voltage power line and transformed to low voltage power that in turn operates the diagnostic control device. The diagnostic control device and the electric voltage transforming system are housed within the sealed compressor shell, thus eliminating the need for additional openings in the compressor shell. Other low voltage devices can be powered in this way.

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